

AMENDMENTS TO THE CLAIMS

1-15. (Canceled)

16. (Currently Amended) A composition for the manufacture of environmentally friendly paper, comprising about 56% to about 80% by weight of inorganic mineral powders, about 43% to about 18% by weight of polyethylene, and about 1% to about 2% by weight of additives an additive, wherein the additive is at least one of beta-(3,4-epoxycyclohexyl)ethyltrimethoxy-silane, N-oleyl palmitamide, N,N-bis(2-hydroxyethyl)cocoamine, or N,N-bis(2-hydroxyethyl)stearyl amine.

17. (Original) A composition according to claim 16, wherein said inorganic mineral powders are selected from the group consisting of calcium carbonate, calcium sulfate, barium sulfate, kaolin, mica, zinc oxide, dolomite, glass fiber, hollow glass microbead, silica, chalk, talc, pigment, titanium dioxide, silica dioxide, bentonite, clay, diatomaceous earth and mixtures thereof.

18. (Original) A composition according to claim 16, wherein the polyethylene comprises high density polyethylene, or a combination of high density polyethylene with at least one selected from the group consisting of medium density polyethylene and low density polyethylene.

19. (Canceled)

20. (New) The composition of Claim 16, wherein the composition is in granule form.

21. (New) An environmentally friendly paper, comprising a sheet having at least one layer, wherein the layer is made from a material comprising:

from about 56% to about 80% by weight of inorganic mineral powders,

from about 43% to about 18% by weight of polyethylene; and

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from about 1% to about 2% by weight of an additive, wherein the additive is at least one of beta-(3,4-epoxycyclohexyl)ethyltrimethoxy-silane, N-oleyl palmitamide, N,N-bis(2-hydroxyethyl)cocoamine, or N,N-bis(2-hydroxyethyl)stearyl amine.

22. (New) The paper of Claim 21, wherein the sheet comprises at least two layers.

23. (New) The paper of Claim 21, wherein the composition of at least one layer is different from the composition of another layer.

24. (New) An environmentally friendly paper, comprising a sheet having at least one layer, wherein the layer is made from a material comprising:

from about 70% to about 80% by weight of inorganic mineral powders,

from about 29% to about 18% by weight of polyethylene; and

from about 1% to about 2% by weight of an additive,

wherein the paper has a thickness in the range of from about 73 micrometers to about 116 micrometers.

25. (New) The paper of Claim 24, wherein the sheet comprises at least two layers.

26. (New) The paper of Claim 24, wherein the composition of at least one layer is different from the composition of another layer.

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